

0590
2528

ENTERED



OIPE

RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/10/010,184A

TIME: 13:24:08

Input Set : A:\7087A.st25.txt

Output Set: N:\CRF3\06032002\J010184A.raw

```

3 <110> APPLICANT: Bristol-Myers Squibb Pharma Company
4   Priestly, et al.
6 <120> TITLE OF INVENTION: Novel Lactam Inhibitors of Hepatitis C Virus NS3 Protease
8 <130> FILE REFERENCE: PH-7087-A
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/010,184A
C--> 10 <141> CURRENT FILING DATE: 2002-05-17
10 <150> PRIOR APPLICATION NUMBER: US 09/626,286
11 <151> PRIOR FILING DATE: 2000-07-25
13 <160> NUMBER OF SEQ ID NOS: 8
15 <170> SOFTWARE: PatentIn version 3.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 6
19 <212> TYPE: PRT
20 <213> ORGANISM: Artificial Sequence
22 <220> FEATURE:
23 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
pept
24   ide synthesizer using readily available materials well known to o
25   rdinarily skilled artisans
27 <220> FEATURE:
28 <221> NAME/KEY: ACT_SITE
29 <222> LOCATION: (1)..(1)
30 <223> OTHER INFORMATION:
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <222> LOCATION: (3)..(3)
36 <223> OTHER INFORMATION: diphenylalanine
39 <220> FEATURE:
40 <221> NAME/KEY: misc_feature
41 <222> LOCATION: (5)..(5)
42 <223> OTHER INFORMATION: cyclohexylalanine
45 <400> SEQUENCE: 1
W--> 47 Asp Glu Xaa Glu Xaa Cys
48 1      5
51 <210> SEQ ID NO: 2
52 <211> LENGTH: 6
53 <212> TYPE: PRT
54 <213> ORGANISM: Artificial Sequence
56 <220> FEATURE:
57 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
pept
58   ide synthesizer using readily available materials well known to o
59   rdinarily skilled artisans
61 <220> FEATURE:

```

62 <221> NAME/KEY: MOD_RES

RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/10/010,184A

TIME: 13:24:08

Input Set : A:\7087A.st25.txt

Output Set: N:\CRF3\06032002\J010184A.raw

```

63 <222> LOCATION: (1)..(1)
64 <223> OTHER INFORMATION: Acetylation
67 <220> FEATURE:
68 <221> NAME/KEY: misc_feature
69 <222> LOCATION: (2)..(2)
70 <223> OTHER INFORMATION: D-Aspartic Acid
73 <400> SEQUENCE: 2
W--> 75 Asp Xaa Ile Val Pro Cys
76 1 5
79 <210> SEQ ID NO: 3
80 <211> LENGTH: 5
81 <212> TYPE: PRT
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
pept
86 ide synthesizer using readily available materials well known to o
87 rdinarily skilled artisans
89 <400> SEQUENCE: 3
91 Met Gly Ala Gln His
92 1 5
95 <210> SEQ ID NO: 4
96 <211> LENGTH: 15
97 <212> TYPE: PRT
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
pept
102 ide synthesizer using readily available materials well known to o
103 rdinarily skilled artisans
105 <400> SEQUENCE: 4
107 Met Arg Gly Ser His His His His His Met Gly Ala Gln His
108 1 5 10 15
111 <210> SEQ ID NO: 5
112 <211> LENGTH: 6
113 <212> TYPE: PRT
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
pept
118 ide synthesizer using readily available materials well known to o
119 rdinarily skilled artisans
121 <220> FEATURE:
122 <221> NAME/KEY: misc_feature
123 <222> LOCATION: (6)..(6)
124 <223> OTHER INFORMATION: 2-amino-4-penten-boronic acid
127 <400> SEQUENCE: 5
W--> 129 Asp Glu Val Val Pro Xaa
130 1 5
133 <210> SEQ ID NO: 6
134 <211> LENGTH: 5
135 <212> TYPE: PRT

```

RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/10/010,184A

TIME: 13:24:08

Input Set : A:\7087A.st25.txt

Output Set: N:\CRF3\06032002\J010184A.raw

```

136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
pept
140     ide synthesizer using readily available materials well known to o
141     rdinarily skilled artisans
143 <220> FEATURE:
144 <221> NAME/KEY: ACETYLATION
145 <222> LOCATION: (1)..(1)
146 <223> OTHER INFORMATION: Acetylation
149 <220> FEATURE:
150 <221> NAME/KEY: AMIDATION
151 <222> LOCATION: (5)..(5)
152 <223> OTHER INFORMATION: para-nitroaniline
155 <400> SEQUENCE: 6
157 Asp Glu Glu Ala Cys
158 1      5
161 <210> SEQ ID NO: 7
162 <211> LENGTH: 23
163 <212> TYPE: PRT
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
pept
168     ide synthesizer using readily available materials well known to o
169     rdinarily skilled artisans
171 <400> SEQUENCE: 7
173 Lys Lys Gly Ser Val Val Ile Val Gly Arg Ile Val Leu Ser Gly Lys
174 1      5      10      15
177 Pro Ala Ile Ile Pro Lys Lys
178      20
181 <210> SEQ ID NO: 8
182 <211> LENGTH: 9
183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
pept
188     ide synthesizer using readily available materials well known to o
189     rdinarily skilled artisans
191 <220> FEATURE:
192 <221> NAME/KEY: ACETYLATION
193 <222> LOCATION: (1)..(1)
194 <223> OTHER INFORMATION: acetyl group
197 <220> FEATURE:
198 <221> NAME/KEY: MOD_RES
199 <222> LOCATION: (3)..(3)
200 <223> OTHER INFORMATION: Aspartic acid modified with EDANS, 5-[(2'-aminoethyl)amino]
naphth
201     ylene sulfonic acid
204 <220> FEATURE:
205 <221> NAME/KEY: MISC_FEATURE
206 <222> LOCATION: (6)..(6)

```

RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/10/010,184A

TIME: 13:24:08

Input Set : A:\7087A.st25.txt

Output Set: N:\CRF3\06032002\J010184A.raw

207 <223> OTHER INFORMATION: 2-amino butyric acid bonded through an ester group
210 <220> FEATURE:
211 <221> NAME/KEY: MOD_RES
212 <222> LOCATION: (9)..(9)
213 <223> OTHER INFORMATION: Lysine modified by Dabcyl; 4-[[4'(dimethylamino)phenyl]azo]
benzoi
214 c acid
217 <400> SEQUENCE: 8
W--> 219 Asp Glu Asp Glu Glu Xaa Ala Ser Lys
220 1 5

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/03/2002
PATENT APPLICATION: US/10/010,184A TIME: 13:24:09

Input Set : A:\7087A.st25.txt
Output Set: N:\CRF3\06032002\J010184A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 3,5

Seq#:2; Xaa Pos. 2

Seq#:5; Xaa Pos. 6

Seq#:8; Xaa Pos. 6

VERIFICATION SUMMARY

DATE: 06/03/2002

PATENT APPLICATION: US/10/010,184A

TIME: 13:24:09

Input Set : A:\7087A.st25.txt

Output Set: N:\CRF3\06032002\J010184A.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0